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EXPRESS MAIL LABEL NO. EV514607085US DATE OF DEPOSIT: January 3, 2005

## ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 245-66172-02 DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NO. (If known, see 37 C.F.R. § 1.5) CONCERNING A NATIONAL STAGE FILING UNDER 35 U.S.C. § 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE July 12, 2002 PCT/US03/22075 July 14, 2003 TITLE OF INVENTION BORATE CRYSTALS FOR OPTICAL FREQUENCY CONVERSION APPLICANT(S) FOR DO/EO/US Douglas A. Keszler, Jennifer L. Stone-Sundberg, Ning Ye and Michael A. Hruschka Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. A This is a FIRST submission of items concerning a filing under 35 U.S.C. § 371. 2. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. § 371. This is an express request to begin national examination procedures (35 U.S.C. § 371(f)) at any 3. time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. § 371(b) and PCT Articles 22 and 39(1). Items 5, 6, 9 and 21 indicated below are submitted to make this express request. The United States has been elected in a Demand for International Preliminary Examination (Article 31). 4. 5. A copy of the International Application as filed (35 U.S.C. § 371(c)(2)) a. 🛛 is attached hereto (required only if not communicated by the International Bureau). b. a has been communicated by the International Bureau. c. A is not required, as the application was filed in the United States Receiving Office (RO/US). 6. An English-language translation of the International Application (35 U.S.C. § 371(c)(2)). a. is attached hereto. b. has been previously submitted under 35 U.S.C. 154(d)(4). 7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3)) a. $\square$ are attached hereto (required only if not communicated by the International Bureau to the United States Receiving Office). b. A have been communicated by the International Bureau. c. $\square$ have not been made; however, the time limit for making such amendments has NOT expired. d. A have not been made and will not be made. 8. An English-language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. § 371(c)(4)). An English-language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 10. (35 U.S.C. § 371(c)(5)). Items 11 to 21 below concern document(s) or information included: 11. An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98. 12. An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. §§ 3.28 and 3.31 and the Recordal fee of \$40.00 are included. 13. A preliminary amendment. 14. An Application Data Sheet under 37 C.F.R. § 1.76. 15. A substitute specification. 16. A power of attorney and/or change of address letter. 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. §§ 1.821 - 1.825. 18. A second copy of the published International Application under 35 U.S.C. § 154(d)(4). 19. A second copy of the English-language translation of the international application under 35 U.S.C. § 154(d)(4). 20. Other items or information: Abstract on a separate page. Written Opinion. Preliminary Examination Report. International Search Report. Copies of References Cited.

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b) Examination fee\$200.00							200.00		
⊠ c) Search fee							500.00		
TOTAL OF ABOVE CALCULATIONS =\$1000.00								1000.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence								1000.00	
listing or computer program listing filed in electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.									
Total S			Number of each additional 50 or fraction thereof (round up to a whole number)		RATE		·		
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TOTAL OF ABOVE CALCULATIONS =							\$	3,750.00	
Reduction of 1/2 for filing by small entity. Small entity status is claimed for this application.							\$	1,875.00	
SUBTOTAL =							\$	1,875.00	
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